

## **BID RESULT FOR RM-112930**

### **ENVIRONMENTAL LABORATORY ANALYTICAL AND FIELD SERVICES FOR REMEDIATION PROJECTS**

#### **Soil Parameters: Group I**

<b>BID ITEM NO.</b>	<b>Petroleum Storage And Discharge Areas, Required Parameters</b>	<b>Analytical Methods</b>	<b>Updated Analytical Methods</b>	<b>Proposed NJDEP Approved Analytical Method</b>	<b>Quantities</b>	<b>Unit Cost Based On Standard TAT</b>	<b>Total Cost Based On Standard TAT</b>
	<b>TCL ANALYTES</b>						
1	TCL Volatile Organics With Xylenes (+10)	Method 8260C	NA	8260C	<b>120</b>	\$45	\$ 5400
2	TCL Base Neutrals (+15)	Method 8270C	NA	8270D	<b>50</b>	\$87	\$4350
3	Total TAL Metals By AA Or Trace ICP Calibrated To Achieve A Method Detection Limit Equal To / Or More Stringent Than, The Respective NJDEP Soil Quality Criterion	Method 6010A OR 7000 Series Methods	Method 6010B OR 7471	6010C/7471B	<b>25</b>	\$78	\$1950
4	Any Individual TAL Metal By AA Or Trace ICP Calibrated To Achieve A Method Detection Limit Equal To / Or More Stringent Than, The Respective NJDEP Soil Quality Criterion	Method 6010A OR 7000 Series Methods	Method 6010B	6010C/7471B	<b>15</b>	\$6	\$ 90

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	<b>TCL ANALYTES (continued)</b>						
5	TCL Base Neutrals And Acid Extractables (+25), Excluding Pest. And PCB	Method 8270C	NA	8270D	<b>25</b>	\$122	\$ 3050
6	TCL Polynuclear Aromatic Hydrocarbons	Method 8270C	NA	8270D	<b>10</b>	\$75	\$ 750
7	Digestion Fee For Total Or Individual Metal Analyses			<b>3050B</b>	<b>15</b>	\$ 6	\$90

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BID ITEM NO.	Petroleum Storage And Discharge Areas, Required Parameters	Analytical Methods	Updated Analytical Methods	Proposed NJDEP Approved Analytical Method	Quantities	Unit Cost Based On Standard TAT	Total Cost Based On Standard TAT
	<b>OTHER</b>						
8	BTEX	Method 8260C	NA	8260C	<b>1</b>	\$38	\$38
9	Total Petroleum Hydrocarbons	EPH Rev. 3	NA	NJ EPH Rev 3 (non fractionated)	<b>75</b>	\$55	\$4125
10	Gasoline Range Organics	Method 8015B	NA	8015D	<b>1</b>	\$35	\$35
11	Diesel Range Organics	EPH Rev. 3	Method 8015B	8015D	<b>1</b>	\$40	\$40
12	PCB	Method 8082	NA	8082A	<b>25</b>	\$40	\$1000
13	PEST	Method 8081A	NA	8081B	<b>25</b>	\$60	\$1500
14	"GC-Fingerprint"	QAM 25	Method 8015B	8015D	<b>1</b>	\$80	\$80
15	Acid-Base Extractable Organic Cleanup	Method 3650A	NA	3650A	<b>1</b>	\$0	\$0
16	Alumina COL Extractable Organic CleanuP	Method 3610A	Method 3611	3611	<b>1</b>	\$0	\$0
17	Addition Of MTBE,TBA or DIPE To Any Volatile Organic Analysis	NA	NA		<b>20</b>	\$0	\$0
18	Addition of Naphthalene To Any Volatile Organic Analysis	NA	NA		<b>10</b>	\$0	\$0

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### **ENVIRONMENTAL LABORATORY ANALYTICAL AND FIELD SERVICES FOR REMEDIATION PROJECTS**

#### **Soil Parameters: Group I**

<b>BID ITEM NO.</b>	<b>HAZARDOUS WASTE DETERMINATION</b>	<b>Analytical Methods</b>	<b>Updated Analytical Methods</b>	<b>Proposed NJDEP Approved Analytical Method</b>	<b>Quantities</b>	<b>Unit Costs Based On Standard TAT</b>	<b>Total Cost Based On Standard TAT</b>
	<b>REQUIRED PARAMETERS</b>						
19	Corrosivity (RCRA CHAR)	Method 9040B	Method 9045C	<b>9045D</b>	<b>1</b>	\$6	\$6
20	Ignitability, Setaflash Closed Cup (RCRA CHAR)	Method 1010	Method 1030	<b>1030</b>	<b>1</b>	\$10	\$10
21	Reactivity, Cyanide (RCRA CHAR)	Method 9010A(7.3.3.2)	Method 9014	<b>9014</b>	<b>1</b>	\$18	\$18
22	Reactivity, Sulfide (RCRA CHAR)	Method 9010A(7.3.4.2)	Method 9034	<b>9034</b>	<b>1</b>	\$18	\$18
23	Extraction (TCLP)	Method 1311	NA	<b>1311</b>	<b>1</b>	\$20	\$20
24	Volatiles (TCLP)	Method 8260B	NA	<b>8260C</b>	<b>1</b>	\$44	\$44
25	Semivolatiles (TCLP)	Method 8270C	NA	<b>8270D</b>	<b>1</b>	\$110	\$110
26	Organochlorine Pesticides (TCLP)	Method 8081	Method 8081A	<b>8081B</b>	<b>1</b>	\$58	\$58
27	Chlorinated Herbicides (TCLP)	Method 8151	NA	<b>8151A</b>	<b>1</b>	\$68	\$68
28	TCLP RCRA Metals (8 ELEM)	1311/EPA 200.8	Method 6010B OR 7471	<b>6010/7471B</b>	<b>1</b>	\$50	\$50
29	TCLP Lead	Method 6010B	NA	<b>6010C</b>	<b>1</b>	\$6	\$6
30	Full TCLP (Items 5-9)	NA	NA		<b>1</b>	\$370	\$370
31	Full TCLP and RCRA (Items 5-10)	NA	NA		<b>1</b>	\$422	\$422

## **BID RESULT FOR RM-112930**

### **ENVIRONMENTAL LABORATORY ANALYTICAL AND FIELD SERVICES FOR REMEDIATION PROJECTS**

#### **Soil Parameters: Group I**

BID ITEM NO.	CONTAMINANT ATTENUATION	Analytical Methods	Updated Analytical Methods	Proposed NJDEP Approved Analytical Method	Quantities	Unit Costs Based On Standard TAT	Total Cost Based On Standard TAT
<b>REQUIRED PARAMETERS</b>							
32	Cation Exchange Capacity	Method 9081	NA	<b>9081</b>	<b>1</b>	\$80	\$80
33	pH	Method 9040B	NA	<b>9040C</b>	<b>1</b>	\$3	\$3
34	Sulfate	Method 9056A	Method D516-90.02	<b>9056A</b>	<b>1</b>	\$10	\$10
35	Nitrogen Nitrate	SM 18TH Ed 4500 NO3	SM 4500 NO3F	<b>9056A</b>	<b>1</b>	\$10	\$10
36	Phosphorous	SM 18TH Ed 4500 P	SM 4500 P E	<b>365.4</b>	<b>1</b>	\$10	\$10
37	Total Organic Carbon	USEPA LLOYD KAHN	NA	<b>Lloyd Kahn</b>	<b>40</b>	\$20	\$800
38	Heterotrophic Bacteria	Method 9215B	NA	<b>9215B</b>	<b>1</b>	\$25	\$25
39	Moisture Content	General Chemistry	NA		<b>1</b>	\$5	\$5
40	Ammonia	SM 18TH Ed 4500 NH3 F	SM 4500 NH3 H	<b>SM4500NH3 F</b>	<b>10</b>	\$10	\$100
41	Nitrite	SW846-9056a	SM 4500 NO3F	<b>9056A</b>	<b>10</b>	\$10	\$100
42	Orthophosphate	SM 18TH Ed 4500 PE	SM 4500 PE Ortho	<b>9056A</b>	<b>10</b>	\$12	\$120
<b>MISCELLANEOUS</b>							
43	Hexavalent Chromium	Method 7196A	NA	7196A	<b>1</b>	\$40	\$40
<b>TOTAL FOR LINE ITEMS 1 THROUGH 43 IN SOIL PARAMETERS GROUP 1 (Add all Lines in "Total Cost Based on Standard TAT")</b>							<b>\$ 25,001</b>

## **BID RESULT FOR RM-112930**

### **ENVIRONMENTAL LABORATORY ANALYTICAL AND FIELD SERVICES FOR REMEDIATION PROJECTS**

#### **Water Parameters: Group II**

<b>BID ITEM NO.</b>	<b>PETROLEUM STORAGE AND DISCHARGE AREAS</b>	<b>Analytical Methods</b>	<b>Updated Analytical Methods</b>	<b>Proposed NJDEP Approved Analytical Method</b>	<b>Quantities</b>	<b>Unit Costs Based On Standard TAT</b>	<b>Total Cost Based On Standard TAT</b>
	<b>TCL ANALYTES</b>						
44	TCL Volatile Organics With Xylenes, (+10)	Method 624 sim	Method 8260B	8260C	600	\$41	\$24600
45	TCL Volatile Organics With Xylenes, (+10)	Method 524	Method 524.2	524.2	10	\$53	\$530
46	TCL Base Neutrals (+15)	Method 625 sim	Method 8270C/8270C SIM	8270D/8270D SIM	40	\$115	\$4600
47	TCL Base Neutrals And Acid Extractables, (+25), Excluding PEST. and PCB	Method 625 sim	Method 8270C/8270C SIM	8270D/8270D SIM	50	\$152	\$7,600
48	Total TAL Metals By AA or Trace ICP Calibrated To Achieve A Method Detection Limit Equal To / Or More Stringent Than, The Respective NJDEP Soil Quality Criterion	Method 200.8	Method 200.8/245.1	200.8/245.1	50	\$78	\$3900
49	Any Individual TAL Metal By AA Or Trace ICP Calibrated To Achieve A Method Detection Limit Equal To / Or More Stringent Than, The Respective NJDEP Soil Quality Criterion	Method 200.8	Method 200.8	200.8	10	\$6	\$60

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#### **Water Parameters: Group II**

<b>BID ITEM NO.</b>	<b>PETROLEUM STORAGE AND DISCHARGE AREAS</b>	<b>Analytical Methods</b>	<b>Updated Analytical Methods</b>	<b>Proposed NJDEP Approved Analytical Method</b>	<b>Quantities</b>	<b>Unit Costs Based On Standard TAT</b>	<b>Total Cost Based On Standard TAT</b>
	<b>TCL ANALYTES (continued)</b>						
50	TCL Polynuclear Aromatic Hydrocarbons	Method 625	Method 8270C/8270C SIM	8270D/8270D SIM	1	\$115	\$ 115
51	Digestion Fee For Individual Or Total Metal Analyses	NA	NA		50	\$ 6	\$300

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#### **Water Parameters: Group II**

<b>BID ITEM NO.</b>	<b>PETROLEUM STORAGE AND DISCHARGE AREAS</b>	<b>Analytical Methods</b>	<b>Updated Analytical Methods</b>	<b>Proposed NJDEP Approved Analytical Method</b>	<b>Quantities</b>	<b>Unit Costs Based On Standard TAT</b>	<b>Total Cost Based On Standard TAT</b>
	<b>OTHER</b>						
52	BTEX	Method 624	Method 8260B	8260C	600	\$20	\$ 12,000
53	BTEX	Method 524.2	NA	524.2	1	\$30	\$ 30
54	Total Petroleum Hydrocarbons	EPH Rev. 3	EPH Rev. 3 (Non-Frac)	NJ EPH Rev 3	5	\$55	\$275
55	Gasoline Range Organics	Method 8015B	NA	8015D	1	\$35	\$ 35
56	Diesel Range Organics	EPH Rev. 3	Method 8015B	8015D	1	\$40	\$ 40
57	PCB	Method 8082	NA	8082A	10	\$40	\$ 400
58	PEST and PCB	Method 8081A/8082/608	Method 8081A/8082	8081B/8082A	15	\$95	\$1425
59	"GC-Fingerprint"	EPH Revision 3	Method 8015B DAI	8015D	20	\$80	\$ 1600
60	Addition Of MTBE,TBA or DIPE To Any Volatile Organic Analysis	NA	Method 8260B	8260C	600	\$0	\$0
61	Alcohols - TBA	Method 8260	Method 8260B	8260C	150	\$40	\$6,000
62	Alcohols - Ethanol	GC80 Method 8015B	Method 8015B DAI	8015D DA1	5	\$55	\$275
63	Additon Of Naphthalenes To Any Volatile Organic Analysis	NA	Method 8260B	8260D	100	\$0	\$0
64	GC/ECD Analysis For Formaldehyde	Method 8315A(SM 6252B)	Method 8315A	8315A	20	\$125	\$2,500

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#### **Water Parameters: Group II**

<b>BID ITEM NO.</b>	<b>PETROLEUM STORAGE AND DISCHARGE AREAS</b>	<b>Analytical Methods</b>	<b>Updated Analytical Methods</b>	<b>Proposed NJDEP Approved Analytical Method</b>	<b>Quantities</b>	<b>Unit Costs Based On Standard TAT</b>	<b>Total Cost Based On Standard TAT</b>
<b>NJPDES PARAMETERS</b>							
65	Total Suspended Solids	Method 160.2	SM 2540D	SM2540D	30	\$8	\$240
66	Total Organic Carbon	Method 415.1	SM 5310B	SM5310B	60	\$15	\$900
67	Hydrocarbons In Water	TPH SGT-hem	Method 1664A	1664A	30	\$35	\$1050
68	Chloride	Method 300IC	SM 4500 CL E	300.0	50	\$10	\$500
69	Nitrite	Method 300IC	SM 4500 NH3 F	300.0	30	\$10	\$300
70	Ammonia	Method 350.2	SM 4500 NH3 H	SM4500NH3 H	30	\$10	\$300
71	Total Dissolved Solids	SM 2540 C	NA	SM2540C	20	\$8	\$160
72	Total Recoverable Lead	Method 200.7/ 200.8	Method 6010B	6010C	10	\$6	\$60
<b>HAZARDOUS WASTE DETERMINATION</b>							
<b>BID ITEM NO.</b>	<b>HAZARDOUS WASTE DETERMINATION</b>	<b>Analytical Methods</b>	<b>Updated Analytical Methods</b>	<b>Proposed NJDEP Approved Analytical Method</b>	<b>Quantities</b>	<b>Unit Costs Based On Standard TAT</b>	<b>Total Cost Based On Standard TAT</b>
<b>PARAMETERS</b>							
73	Corrosivity (RCRA CHAR)	Method 9040B	NA	9040C	1	\$6	\$6
74	Ignitability, Setaflash Closed Cup (RCRA CHAR)	Method 1010	Method 1020A	1020A	1	\$12	\$12
75	Reactivity, Cyanide (RCRA CHAR)	SW 846 Section 7.3.3.2	NA	9014	1	\$18	\$18
76	Reactivity, Sulfide (RCRA CHAR)	SW 846 Section 7.3.4.2	NA	9034	1	\$18	\$18
77	RCRA Metals (8 Elem)	Method 200.8	Method 6010B	6010C/7470A	1	\$50	\$50

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### **ENVIRONMENTAL LABORATORY ANALYTICAL AND FIELD SERVICES FOR REMEDIATION PROJECTS**

#### **Water Parameters: Group II**

BID ITEM NO.	INTRINSIC REMEDIATION	Analytical Methods	Updated Analytical Methods	Proposed NJDEP Approved Analytical Method	Quantities	Unit Costs Based On Standard TAT	Total Cost Based On Standard TAT
<b>PARAMETERS</b>							
78	CATION EXCHANGE CAPACITY	Method 9081	NA	9081 (soil only)	1	\$80	\$80
79	CARBON DIOXIDE DISSOLVED	SM 4500 CO <sub>2</sub> D	NA	SM4500 CO <sub>2</sub> D	1	\$10	\$10
80	ALKALINITY	SM 2320B	NA	SM2320B	30	\$10	\$300
81	SULFATE	Method 300	D516	300.0	50	\$10	\$500
82	NITROGEN NITRATE	SM 4500 NO <sub>3</sub> F	NA	300.0	25	\$10	\$250
83	TOTAL NITROGEN	SM 4500 NO <sub>3</sub> F	NA	300.0/351.2	1	\$12	\$12
84	PHOSPHOROUS	Method 300	SM 4500 PE	SM4500 PE	1	\$12	\$12
85	TOTAL ORGANIC CARBON	Method 415.1	SM 5310B	SM5310B	1	\$12	\$12
86	OXIDATION REDUCTION POTENTIAL	ASTM D1498	SM 2580B	SM2580B	10	\$10	\$100
87	HETEROTROPHIC BACTERIA	SM 9215B	NA	SM 9215B	1	\$25	\$25
<b>TOTAL FOR LINE ITEMS 44 THROUGH 87 IN WATER PARAMATERS GROUP II (Add all Lines in "Total Cost Based on Standard TAT")</b>							<b>\$</b>

#### **Air Parameters: Group III**

BID ITEM NO.	PETROLEUM STORAGE AND DISCHARGE AREAS	Analytical Methods	Updated Analytical Methods	Proposed NJDEP Approved Analytical Method	Quantities	Unit Costs Based On Standard TAT	Total Cost Based On Standard TAT
<b>ANALYTES</b>							
88	Volatile Organics	USEPA TO-15	NA	TO-15	40	\$125	\$5000

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### **ENVIRONMENTAL LABORATORY ANALYTICAL AND FIELD SERVICES FOR REMEDIATION PROJECTS**

#### **Parameters: Group IV**

BID ITEM NO.	ASBESTOS	Analytical Methods	Updated Analytical Methods	Proposed NJDEP Approved Analytical Method	Quantities	Unit Costs Based On Standard TAT	Total Cost Based On Standard TAT
	<b>ANALYTES</b>						
89	Asbestos	EPA 600/M4-82-020	EPA 600K- 93/116	<b>EPA 600K- 93/116</b>	15	\$14	\$210
<b>TOTAL FOR LINE 89 IN ASBESTOS PARAMETERS GROUP IV</b> (Enter Cost in "Total Cost Based on Standard TAT")							<b>\$210</b>

#### **EQUIPMENT COST**

BID ITEM NO	Equipment Costs	Quantities	Cost Each	Total Cost
90	pH Meter	5	\$ 0	\$0
91	Summa Canister 1-liter	20	\$30	\$ 600
92	Summa Canister 6-liter	20	\$30	\$600
93	Flow Controller	40	\$15	\$600
<b>TOTAL FOR LINE ITEMS 90 THROUGH 93 IN EQUIPMENT COSTS</b> (Add all Lines in "Total Cost")				<b>\$ 1,800</b>

#### **FIELD SERVICES COST**

BID ITEM NO	Field Services	Quantity (Hours)	Cost/ Hour	Total Cost
94	Field Technician	72	\$40	\$ 2880
95	Field pH analysis	24	\$40	\$960
<b>TOTAL FOR LINE ITEMS 94 AND 95 IN FIELD SERVICE COSTS</b> (Add all Lines in "Total Cost")				<b>\$3840</b>

## REQUEST FOR QUOTATION- BID SUMMARY SHEET

**BIDDERS ARE REQUIRED TO ENTER THE SUBTOTALS FROM EACH GROUP TO OBTAIN A TOTAL BID COST.**

SUBTOTAL FOR ALL ITEMS IN SOIL PARAMATERS GROUP I=	\$25,001.00
SUBTOTAL FOR ALL ITEMS IN WATER PARAMATERS GROUP II=	\$71,200.00
SUBTOTAL FOR ALL ITEMS IN AIR PARAMATERS GROUP III=	\$5,000
SUBTOTAL FOR ALL ITEMS IN ASBESTOS PARAMATERS GROUP IV=	\$210
SUBTOTAL EQUIPMENT COST =	\$1,800
SUBTOTAL FIELD SERVICE COST=	\$3,840
<b>ADD SUBTOTALS FOR A TOTAL BID COST =</b>	<b>\$107,051</b>